

CIM Ultra Compressor 46 PAO

Overview:

CIM Ultra Compressor oil 46 PAO is a full synthetic compressor fluid, that offers extended oil service life and outstanding oxidation stability of the polyalphaolefin base fluid and inhibitor system resisting oil breakdown at the elevated temperatures encountered in compressor service life cycles, permitting oil drain intervals to be extended beyond those achieved with conventional lubricants.

Applications:

- Flooded screw compressors
- Rotary air compressors
- Reciprocating air compressors
- Medium-speed marine diesel engine turbochargers

Not recommended for use in breathing air compressors.

Benefits:

Polyalphaolefin base fluid helps to provide an effective oil film to protect highly loaded parts against wear under high temperature operating conditions, as well as during low temperature

start-up. Effective inhibitor system provides excellent rust and corrosion protection. Anti-wear additive minimizes wear under severe operating conditions.

Smooth operation

Outstanding thermal and oxidation stability enables the polyalphaolefin lubricant to resist deposit formation in the heat of the compression cycle, even under severe service conditions. Extended range of applications High viscosity index and low pour point of the polyalphaolefin base fluid permits application in a wider range of ambient operating temperatures compared with conventional lubricants.

Specifications:

- DIN 51506 VDL
- ABB approval for VTR.4 turbochargers with rolling-contact bearings, per VTR.4-4-010, as a specially tested synthetic oil for heavily loaded turbochargers.
- The lubrication of many types of air compressors, including Atlas Copco units.

Technical Data: CIM Ultra Compressor 46 PAO

Viscosity (cSt) Index ASTM D 2270	142.5
Viscosity, Kinematic (mm ² /s @ 40°C) ASTM D 445	46.382
Viscosity, Kinematic (mm ² /s @ 100°C) ASTM D 445	7.939
Pour Point ASTM D 97	- 55°C
Flash Point ASTM D 92	268 °C
Specific Gravity, 15 C/15 C, ASTM D1298	0.868

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CIM Lubricants (Ltd) - 486 Taljaard Street , Hermanstad Pretoria ,South Africa P.O Box 11053 Suiderberg 0055

Technical Help Line 060 428 8103 / Customer Service 012 377 2507

www.cimlubricants.com

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